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Jun 4, 1999

DERWENT-ACC-NO: 1999-340207

DERWENT-WEEK: 199930

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TITLE: Cosmetic compositions containing N-acyl amino acid and 1,2-diol - with synergistic antimicrobial activity

INVENTOR: STOLTZ, C

PATENT-ASSIGNEE:

ASSIGNEE	CODE
SEPPIC SOC EXPL PROD IND CHIM	SEPP

PRIORITY-DATA: 1997FR-0015086 (December 1, 1997)

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PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
<input type="checkbox"/> FR 2771632 A1	June 4, 1999		022	A61K007/48

APPLICATION-DATA:

PUB-NO	APPL-DATE	APPL-NO	DESCRIPTOR
FR 2771632A1	December 1, 1997	1997FR-0015086	

INT-CL (IPC): A61 K 7/075; A61 K 7/48

ABSTRACTED-PUB-NO: FR 2771632A

BASIC-ABSTRACT:

Compositions comprising N-acyl amino acids of formula RCO-(NH-CHR₁-CO)_m-OH (I) and diols of formula R₂-CHOH-CH₂OH (II) are new.

R = 3-30C fatty acid chain; R₁ = an amino acid side chain; m = 1-5; and R₂ = a 6-16C aliphatic group.

(I) has R = 6-11C alkyl or alkenyl; R₁ = H, Me, CH₂CH₂COOH or CH₂COOH; and R₂ = 6-16C alkyl. (II) is 1,2-octanediol (IIa). The composition comprises 15-60 wt.% (I) and 15-60 wt.% (II), especially 20-40 wt.% octanoyl glycine (Ia) or undecylenoyl glycine (Ib) and 20-40 wt.% (IIa). The composition can also contain 0.1-10 (preferably 0.5-5) wt.% zinc gluconate, 0.1-10 (preferably 0.5-5) wt.% of a tannin-rich plant extract, especially cinnamon extract, and/or 0.5-5 wt.% Mg/K aspartate.

A formulation obtainable by 1:10 to 1:20,000 dilution of a composition as above in cosmetic excipients is claimed, especially an o/w emulsion containing an emulsifier based on fatty alcohols. Also claimed are: a formulation comprising (by weight) 0.001-10% (I), 0.001-10% (II), optionally up to 1% of a cinnamon, rathania, tea, willow or witch-hazel extract, optionally up to 1% Zn gluconate and optionally up to 1% Mg/K aspartate.

USE - for cosmetic purposes, especially for soothing and/or protecting sensitive skin, for hydrating dry skin, for retarding skin ageing and/or for scalp treatment, or for disinfecting the skin and mucosa, or for treating acne-susceptible skin, or in cosmetic formulations (claimed), especially lotions for treating acne-susceptible skin or antidandruff shampoos or mousses.

ADVANTAGE - Combinations of (I) and (II) have synergistically enhanced antimicrobial activity, e.g. against *Pseudomonas aeruginosa*, *Staphylococcus aureus*, *Candida albicans* and *Aspergillus niger*.

CHOSEN-DRAWING: Dwg. 0/0

TITLE-TERMS: COSMETIC COMPOSITION CONTAIN N ACYL AMINO ACID DIOL SYNERGISTIC ANTIMICROBIAL ACTIVE

DERWENT-CLASS: D21 E12 E16

CPI-CODES: D08-B03; D08-B05; D08-B09A;

CHEMICAL-CODES:

Chemical Indexing M3 *01*

Fragmentation Code

H714 H721 H722 J0 J012 J013 J014 J1 J171 J172
J173 J3 J371 J372 J373 M210 M211 M212 M213 M214
M215 M216 M220 M221 M222 M223 M224 M225 M226 M231
M232 M233 M262 M281 M311 M312 M313 M314 M315 M316
M321 M322 M323 M331 M332 M333 M340 M342 M343 M349
M381 M391 M392 M393 M416 M620 M782 M903 M904 P200
P220 P863 Q030 Q252 Q254 Q261 Q262 R022 R024 R044
Markush Compounds
199928-GCK01-K 199928-GCK01-M 199928-GCK01-T

Chemical Indexing M3 *02*

Fragmentation Code

H4 H402 H482 H8 M280 M313 M314 M315 M316 M321
M331 M333 M342 M383 M391 M416 M620 M782 M903 M904
P200 P220 P863 Q030 Q252 Q254 Q261 Q262 R022 R024
R044

Markush Compounds

199928-GCK02-K 199928-GCK02-M 199928-GCK02-T

SECONDARY-ACC-NO:

CPI Secondary Accession Numbers: C1999-100330

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